### Accepted Manuscript

Simulation of Thermal Ablation by High-Intensity Focused Ultrasound with Temperature-Dependent Properties

C.W. Huang, M.K. Sun, B.T. Chen, J. Shieh, C.S. Chen, W.S. Chen

PII: S1350-4177(15)00175-3

DOI: http://dx.doi.org/10.1016/j.ultsonch.2015.06.003

Reference: ULTSON 2905

To appear in: *Ultrasonics Sonochemistry* 

Received Date: 31 March 2015 Revised Date: 8 June 2015 Accepted Date: 8 June 2015



Please cite this article as: C.W. Huang, M.K. Sun, B.T. Chen, J. Shieh, C.S. Chen, W.S. Chen, Simulation of Thermal Ablation by High-Intensity Focused Ultrasound with Temperature-Dependent Properties, *Ultrasonics Sonochemistry* (2015), doi: http://dx.doi.org/10.1016/j.ultsonch.2015.06.003

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **ACCEPTED MANUSCRIPT**

# Simulation of Thermal Ablation by High-Intensity Focused Ultrasound with Temperature-Dependent Properties

C.W. Huang<sup>1\*</sup>, M.K. Sun<sup>2,3</sup>, B.T. Chen<sup>1</sup>, J. Shieh<sup>4</sup>, and C.S. Chen<sup>5</sup>, W.S. Chen<sup>2,3\*</sup>

<sup>1</sup> Department of Civil Engineering, Chung Yuan Christian University, Chung Li, Taiwan

<sup>2</sup> Department of Physical Medicine and Rehabilitation, National Taiwan University

Hospital & College of Medicine, Taipei, Taiwan

<sup>3</sup> Division of Medical Engineering Research, National Health Research Institutes, Miaoli,

Taiwan

<sup>4</sup>Department of Materials Science and Engineering, National Taiwan University, Taipei,

Taiwan

<sup>5</sup> Department of Civil Engineering, National Taiwan University, Taipei, Taiwan

\* Equal contribution corresponding authors:

Chang-Wei Huang (C.W. Huang)

Department of Civil Engineering, Chung Yuan Christian University, Chung Li 32023, Taiwan,

Republic of China.

Tel.: +886-3-2654206

Fax: +886-3-2654299

E-mail address: cwhuang@cycu.edu.tw

And

Wen-Shiang Chen (W. S. Chen)

Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital,

Taipei, Taiwan, Republic of China.

Tel.: +886-2-23123456 #67087

Fax: +886-2-23832834

E-mail address: wenshiang@gmail.com

#### Download English Version:

# https://daneshyari.com/en/article/7703995

Download Persian Version:

https://daneshyari.com/article/7703995

<u>Daneshyari.com</u>